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OM protein - protein search, using sw model

Run on: August 28, 2003, 18:31:03 ; Search time 11.1667 Seconds
(without alignments)
41.679 Million cell updates/sec

Title: US-09-743-225-4
Perfect score: 62
Sequence: 1 RDKATFGHDG 11

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA: *
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep: *
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	56	90.3	145	2	US-08-640-977-6
2	56	90.3	207	2	US-08-640-977-5
3	56	90.3	248	2	US-08-640-977-2
4	56	90.3	266	2	US-08-640-977-4
5	56	90.3	326	2	US-08-640-977-1
6	42	67.7	1674	2	US-08-968-542C-12
7	38	61.3	785	3	US-09-265-108-2
8	38	61.3	785	3	US-09-479-264-2
9	36	58.1	312	4	US-09-252-991A-27234
10	36	58.1	320	4	US-09-499-302A-5
11	34	54.8	320	4	US-09-252-991A-32024
12	34	54.8	323	2	US-08-838-543-4
13	34	54.8	352	4	US-09-252-991A-28303
14	34	54.8	936	5	PCT-US94-05905-22
15	34	54.8	938	2	US-08-906-488-2
16	34	54.8	939	5	PCT-US94-05905-20
17	33	53.2	106	4	US-09-328-352-5510
18	33	53.2	106	4	US-09-198-452A-294
19	33	53.2	433	4	US-09-107-532A-5822
20	33	53.2	664	4	US-09-591-095-4
21	32	51.6	12	3	US-09-258-754-83
22	32	51.6	12	3	US-09-042-107-83
23	32	51.6	300	4	US-09-198-452A-529
24	32	51.6	351	4	US-09-252-991A-23370
25	32	51.6	364	4	US-09-242-839A-12
26	32	51.6	404	4	US-09-252-991A-18670
27	32	51.6	527	4	US-09-252-991A-27665

28	32	51.6	600	2	US-08-821-119-19	Sequence 19, Appl
29	32	51.6	600	2	US-08-821-118-2	Sequence 2, Appl
30	32	51.6	761	4	US-09-328-352-5942	Sequence 5942, Ap
31	32	51.6	862	4	US-09-328-352-4421	Sequence 4421, Ap
32	32	51.6	905	3	US-09-074-658-70	Sequence 70, Appl
33	32	51.6	989	2	US-08-070-301-17	Sequence 17, Appl
34	31	50.0	27	2	US-08-620-151-107	Sequence 107, App
35	31	50.0	93	4	US-09-732-210-1507	Sequence 1507, Ap
36	31	50.0	93	4	US-09-732-210-1510	Sequence 1510, Ap
37	31	50.0	136	4	US-09-732-210-1505	Sequence 1505, Ap
38	31	50.0	236	4	US-09-252-991A-26280	Sequence 26280, A
39	31	50.0	284	1	US-08-061-889-2	Sequence 2, Appl
40	31	50.0	284	1	US-08-462-611-2	Sequence 2, Appl
41	31	50.0	284	4	US-08-623-428D-2	Sequence 2, Appl
42	31	50.0	284	5	PCT-US94-05378-2	Sequence 2, Appl
43	31	50.0	296	4	US-09-134-001C-3190	Sequence 3190, Ap
44	31	50.0	303	4	US-09-252-991A-17756	Sequence 17756, A
45	31	50.0	367	4	US-09-252-991A-22094	Sequence 22094, A

ALIGNMENTS

RESULT 1
US-08-640-977-6
; Sequence 6, Application US/08640977
; Patent No. 5998223
; GENERAL INFORMATION:
; APPLICANT: Eiji MATSUURA et al.
; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/640,977
; FILING DATE: May 9, 1996
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
TYPE: amino acids
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: 2-glycoprotein (Domains IV and V)
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION:

US-08-640-977-6

Query Match 90.3%; Score 56; DB 2; Length 145;
Best Local Similarity 90.9%; Pred. No. 0.0014;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11
| | | | | | | | | |
Db 27 KDKATFGCHDG 37

RESULT 2

US-08-640-977-5
; Sequence 5, Application US/08640977
; Patent No. 5998223

; GENERAL INFORMATION:
; APPLICANT: Elji MATSUURA et al.
; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID
; TITLE OF INVENTION: ANTIBODY AND KIT THEREFOR
; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/640,977
; FILING DATE: May 9, 1996

; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:

; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 amino acids

; TYPE: amino acids
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:

; FEATURE:
; ORGANISM: Homo sapiens
; NAME/KEY: 2-glycoprotein (Domains III, IV and V)
; LOCATION:
; IDENTIFICATION METHOD:

OTHER INFORMATION:

US-08-640-977-5

Query Match 90.3%; Score 55; DB 2; Length 207;
Best Local Similarity 90.9%; Pred. No. 0.002;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11
| | | | | | | | | |
Db 89 KDKATFGCHDG 99

RESULT 3

US-08-640-977-2

; Sequence 2, Application US/08640977
; Patent No. 5998223

; GENERAL INFORMATION:
; APPLICANT: Elji MATSUURA et al.
; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID
; TITLE OF INVENTION: ANTIBODY AND KIT THEREFOR
; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/640,977
; FILING DATE: May 9, 1996

; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:

; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 248 amino acids

; TYPE: amino acids
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:

; ORGANISM: Homo sapiens
; FEATURE:

; NAME/KEY: 2-glycoprotein (Domains I, II, III and IV)
; LOCATION:

; IDENTIFICATION METHOD:
; OTHER INFORMATION:

US-08-640-977-2

Query Match 90.3%; Score 56; DB 2; Length 248;
Best Local Similarity 90.9%; Pred. No. 0.0025;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11
| | | | | | | | | |
Db 208 KDKATFGCHDG 218

RESULT 4

US-08-640-977-4

; Sequence 4, Application US/08640977
; Patent No. 5998223

; GENERAL INFORMATION:
; APPLICANT: Elji MATSUURA et al.
; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID
; TITLE OF INVENTION: ANTIBODY AND KIT THEREFOR
; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington

```

; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/640,977
; FILING DATE: May 9, 1996
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 266 amino acids
; TYPE: amino acids
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 2-glycoprotein (Domains II, III, IV and V)
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; US-08-640-977-4
;
; Query Match 90.3%; Score 56; DB 2; Length 266;
; Best Local Similarity 90.9%; Pred. No. 0.0027; 1; Indels 0;
; Matches 10; Conservative 0; Mismatches 0; Caps 0;
;
; QY 1 KDKATFGTHDG 11
; 1111111111
; DB 148 KDKATFGCHDG 158
;
; RESULT 5
; US-08-640-977-1
; Sequence 1, Application US/08640977
; Patent No. 5998223
; GENERAL INFORMATION:
; APPLICANT: Eiji MATSUURA et al.
; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID
; TITLE OF INVENTION: ANTIBODY AND KIT THEREFOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/640,977
; FILING DATE: May 9, 1996
; CLASSIFICATION: 436

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 326 amino acids
; TYPE: amino acids
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 2-glycoprotein (Domains I, II, III, IV and V)
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; US-08-640-977-1
;
; Query Match 90.3%; Score 56; DB 2; Length 326;
; Best Local Similarity 90.9%; Pred. No. 0.0034; 1; Indels 0;
; Matches 10; Conservative 0; Mismatches 0; Caps 0;
;
; QY 1 KDKATFGTHDG 11
; 1111111111
; DB 208 KDKATFGCHDG 218
;
; RESULT 6
; US-08-968-542C-12
; Sequence 12, Application US/08968542C
; Patent No. 5981728
; GENERAL INFORMATION:
; APPLICANT: Myers, et al.
; TITLE OF INVENTION: dulli Codes For A No. 5981728el Starch
; TITLE OF INVENTION: Synphase
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McGregor & Adler, LLP
; STREET: 8011 Candle Lane
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh
; SOFTWARE: Microsoft Word 6.0.1 for Macintosh
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/968,542C
; FILING DATE: No. 5981728ember 12, 1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benjamin Aaron Adler, Ph.D., J.D.
; REGISTRATION NUMBER: 35,423
; REFERENCE/DOCKET NUMBER: D6036
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (713) 777-2321
; TELEFAX: (713) 777-6908
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:

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; LENGTH: 1674 amino acid residues
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: amino acid
; DESCRIPTION: amino acid
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE:
US-08-968-542C-12

Query Match 67.7%; Score 42; DB 2; Length 1674;
Best Local Similarity 72.7%; Pred. No. 12;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 KDKATFGTHDG 11
| | | | | | | | | |
Db 611 KQLATVGTHDG 621

RESULT 7

US-09-265-108-2
; Sequence 2, Application US/09265108
; Patent No. 6033891
; GENERAL INFORMATION:
; APPLICANT: Gollightly, Elizabeth
; APPLICANT: Brown, Kimberly
; TITLE OF INVENTION: Nucleic Acids Encoding Polypeptides
; FILE REFERENCE: 5850.000-US
; CURRENT APPLICATION NUMBER: US/09/265,108
; CURRENT FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 785
; TYPE: PRT
; ORGANISM: Humicola
US-09-265-108-2

Query Match 61.3%; Score 38; DB 3; Length 785;
Best Local Similarity 77.8%; Pred. No. 31;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 DKATFGTHD 10
| | | | | | | | | |
Db 188 DTATFGFHD 196

RESULT 8

US-09-479-264-2
; Sequence 2, Application US/09479264
; Patent No. 6280976
; GENERAL INFORMATION:
; APPLICANT: Elizabeth J. Gollightly
; APPLICANT: Kimberly M. Brown
; TITLE OF INVENTION: Nucleic Acids Encoding Polypeptides
; FILE REFERENCE: 5850.200-US
; CURRENT APPLICATION NUMBER: US/09/479,264
; CURRENT FILING DATE: 2000-01-05
; EARLIER APPLICATION NUMBER: 09/265,108
; EARLIER FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 785
; TYPE: PRT
; ORGANISM: Humicola
US-09-479-264-2

Query Match 61.3%; Score 38; DB 3; Length 785;
Best Local Similarity 77.8%; Pred. No. 31;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 DKATFGTHD 10
| | | | | | | | | |
Db 188 DTATFGFHD 196

RESULT 9

US-09-252-991A-27234
; Sequence 27234, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27234
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27234

Query Match 58.1%; Score 36; DB 4; Length 312;
Best Local Similarity 45.5%; Pred. No. 27;
Matches 5; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1 KDKATFGTHDG 11
| | | | | | | | | |
Db 276 EDRLVFGVHEG 286

RESULT 10

US-09-499-302A-5
; Sequence 5, Application US/09499302A
; Patent No. 6369212
; GENERAL INFORMATION:
; APPLICANT: BOUNG-JUN, OH
; APPLICANT: MOON, KYUNG KO
; APPLICANT: YOUNG, SOON KIM
; TITLE OF INVENTION: A CYTOCHROME P450 GENE HIGHLY EXPRESSED IN THE
; FILE REFERENCE: 10324/P644430S
; CURRENT APPLICATION NUMBER: US/09/499,302A
; CURRENT FILING DATE: 2000-02-07
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Solanum tuberosum
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (24)..(25)
; OTHER INFORMATION: variable or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (111)
; OTHER INFORMATION: variable or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (236)
; OTHER INFORMATION: variable or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (279)
; OTHER INFORMATION: variable or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (288)
; OTHER INFORMATION: variable or unknown amino acid
US-09-499-302A-5

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Query Match          58.1%; Score 36; DB 4; Length 500;
Best Local Similarity 60.0%; Pred. No. 46;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      1 KDKATFGTHD 10
DB      337 RDKVTFDRHD 346

RESULT 11
US-09-252-991A-32024
; Sequence 32024, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: MARC J. RUBENFIELD ET AL.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32024
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32024

Query Match          54.8%; Score 34; DB 4; Length 320;
Best Local Similarity 75.0%; Pred. No. 69;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 ATFGTHDG 11
DB      23 AVEGTHPG 30

RESULT 12
US-08-838-543-4
; Sequence 4, Application US/08838543
; Patent No. 5994623
; GENERAL INFORMATION:
; APPLICANT: KREBBERS, ENNO
; APPLICANT: BROGLIE, KAREN E.
; TITLE OF INVENTION: CORN 4-(-GLUCANOTRANSFERASE
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: E. I. DUPONT DE NEMOURS AND COMPANY
; STREET: 1007 MARKET STREET
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 19898
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.50 INCH DISKETTE
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: MICROSOFT WINDOWS 95
; SOFTWARE: MICROSOFT WORD FOR WINDOWS 95 (VER. 7.0)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/838,543
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: MAJARIAN, WILLIAM R.
; REGISTRATION NUMBER: P-41,173
; REFERENCE/DOCKET NUMBER: BB-1101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 302-992-4926
; TELEFAX: 302-773-0164
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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 323 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-838-543-4

Query Match          54.8%; Score 34; DB 2; Length 323;
Best Local Similarity 85.7%; Pred. No. 70;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 ATFGTHD 10
DB      177 ATGTHD 183

RESULT 13
US-09-252-991A-28303
; Sequence 28303, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: MARC J. RUBENFIELD ET AL.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28303
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28303

Query Match          54.8%; Score 34; DB 4; Length 352;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 ATFGTHDG 11
DB      153 ATLATHDG 160

RESULT 14
PCT-US94-05905-22
; Sequence 22, Application PCT/US9405905
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: TRNA BINDING-DEPENDENT INHIBITION OF MICROBIAL
; TITLE OF INVENTION: PATHOGEN GROWTH
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173-4799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05905
; FILING DATE:
; CLASSIFICATION:
```

Job time : 12.1667 secs

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/068,382
FILING DATE: 28-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: BROOK, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: MIT-6299A PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
TELEX: 951794
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 936 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-05905-22

Query Match 54.8%; Score 34; DB 5; Length 936;
Best Local Similarity 63.6%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11
Db 46 KGKTFILHDG 56

RESULT 15
US-08-906-488-2
Sequence 2, Application US/08906488
Patent No. 5985630
GENERAL INFORMATION:
APPLICANT: Hawkes, Timothy R
TITLE OF INVENTION: Assay Procedure and Application in
IDENTIFICATION of Herbicides
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSER: Zeneca Inc, Law Department
STREET: 1200 South 47th Street Box No. 59856304023
CITY: Richmond
STATE: California
COUNTRY: USA
ZIP: 94804

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/906,488
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Thomson, Marian
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 938 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-906-488-2

Query Match 54.8%; Score 34; DB 2; Length 938;
Best Local Similarity 63.6%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11
Db 46 KGKTFILHDG 56

Search completed: August 28, 2003, 18:40:15